

Fauquier County Department of Community Development
40 Culpeper St., 3rd Floor
Warrenton, VA. 20186 (540) 347-8703
www.fauquiercounty.gov

EROSION & SEDIMENT CONTROL CHECKLIST

Minimum Standards – All applicable Minimum Standards must be addressed.

Narrative Section:

- _____ Project description – Briefly describe the nature and purpose of the land disturbing activity, and the areas (acres) to be disturbed.

- _____ Existing site conditions – A description of the existing topography, vegetation and drainage.

- _____ Adjacent areas – A description of neighboring areas such as streams, lakes, residential areas, roads, etc., which might be affected by the land disturbance.

- _____ Off-site areas – Describe any off-site, land-disturbing activities that will occur (including borrow sites, waste or surplus areas, etc.) Will any other areas be disturbed? Identify stockpile areas.

- _____ Soils – A brief description of the soils on the site giving such information as soil name, mapping unit, erodibility, permeability, depth, texture and soil structure.

- _____ Critical areas – A description of areas on the site which have potentially serious erosion problems (e.g., steep slopes, channels, wet weather/ undergrounds springs, etc).

- _____ Erosion and sediment control measures – A description of the methods which will be used to control erosion and sedimentation on the site. (Controls should meet the specifications in Chapter 3 of the *Virginia Erosion and Sediment Control Handbook*.)

- _____ Permanent stabilization – A brief description, including specifications, of how the site will be stabilized after construction is completed.

- _____ Stormwater runoff considerations – Will the development site cause an increase in peak runoff rates? Will the increase in runoff cause flooding or channel degradation downstream? Describe the strategy to control stormwater runoff.

- _____ Calculations – Detailed calculations for the design of temporary sediment basins, permanent stormwater detention basins, diversions, channels, etc. Include calculations for pre-development and post-development runoff.

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Subdivision/Site Plan Section:

- _____ Vicinity map – A small map locating the site in relation to the surrounding area. Include any landmarks which might assist in locating the site.
- _____ Indicate north – The direction of north in relation to the site.
- _____ Limits of clearing and grading – Areas which are to be cleared and graded.
- _____ Existing contours – The existing contours of the site.
- _____ Final contours - Changes to the existing contours, including final drainage patterns.
- _____ Soils – The boundaries of different soil types.
- _____ Existing drainage patterns – The dividing lines and the direction of flow for the different drainage areas. Include the size (acreage) of each drainage area.
- _____ Critical erosion areas – Areas with potentially serious erosion problems. (See Chapter 6 of the *Virginia Erosion and Sediment Control Handbook* for criteria.)
- _____ Site Development – Show all improvements such as buildings, parking lots, access roads, utility construction, etc.
- _____ Location of practices – The locations of erosion and sediment controls and stormwater management practices used on the site. Use the standard symbols and abbreviations in Chapter 3 of the *Virginia Erosion and Sediment Control Handbook*.
- _____ Off-site areas – Identify any off-site land-disturbing activities (e.g., borrow sites, waste areas, etc.). Show location of erosion controls. (Is there sufficient information to assure adequate protection and stabilization?) Stockpiles?
- _____ Detail drawings – Any structural practices used that are not referenced to the E&S handbook or local handbooks should be explained and illustrated with detailed drawings.
- _____ Maintenance – A schedule of regular inspections and repair of erosion and sediment control structures should be set forth.

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- _____ Overlay soils boundaries on the Phase 1 E&S Plan.
- _____ Perimeter controls must include all utility work and trails.
- _____ Construction entrances must be included at all access points.
- _____ Roads and lots must be identified on both the Phase 1 and Phase 2 E&S Plan.
- _____ The following information must be submitted when a Temporary Sediment Basin (Std. 3.14) is proposed for a project:
 - _____ • Temporary Sediment Basin Design Data Sheets
 - _____ • Time of Concentration flow path (broken up into sheet, shallow concentrated and channel flow). When a Tc of 5 minutes is used, the flow path is not required.
 - _____ • Stage/storage elevation information
 - _____ • When using TR-55, all worksheets must be included in submittal.
 - _____ • When using the Modified Rational method (for drainage areas less than 20 acres) a “C” factor of 0.6 must be used.
 - _____ • A schematic for each sediment basin must be provided showing dimensions and elevations.
 - _____ • Show the length of the flow path from the inflow at the wet pool to the outflow to ensure that the length to width ratio is adequate.
 - _____ • Emergency spillway dimensions and calculations.
- _____ When micaceous soils are found on a site, rock check dams and silt fence should be used in conjunction with sediment traps and sediment basins in those areas.
- _____ Sanitary sewer, water line and storm sewer must be shown on the Phase 2 E&S plan. Structure numbers must also be shown. While these are not required to be shown on the Phase 1 E&S plan, the perimeter E&S controls for Phase 1 must take the construction of these utilities into account.
- _____ The E&S plan should be at a scale of at least 1” = 50’.
- _____ Soil stockpiles and borrow areas must be identified on the plan.
- _____ All stream crossings must be sized according to the specifications outlined in the Virginia Erosion and Sediment Control Handbook. Specifically, if a crossing is to remain in place up to 14 days, it must be sized to carry a 2 year storm. If a crossing is to remain in place for 14 days to 1 year, it must be sized to carry a 10 year storm. A profile of the crossing and all calculations used must be submitted.